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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Paul R. Odgren *et al.*

Art Unit : 1645

Serial No. : 09/933,915

Examiner : Unknown

Filed : August 20, 2001

Title : TRANCE REGULATION OF CHONDROCYTE DIFFERENTIATION

Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Applicants submit the references listed on the attached form PTO-1449, copies of which are enclosed.

This statement is being filed before the receipt of a first Office action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050, referencing Attorney Docket No. 07917-120001.

Respectfully submitted,

Date:

February 20, 2002

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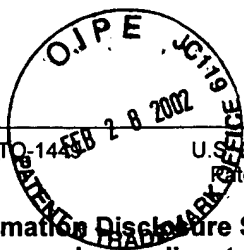
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Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07917-120001	Application No. 09/933,915
	Applicant Paul R. Odgren, et al.		
	Filing Date August 20, 2001	Group Art Unit 1645	

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,767,244	06/16/98	Goeddel et al.			
	AB	4,356,261	10/26/82	Kuettner			
	AC	5,786,217	07/28/98	Tubo et al.			
	AD	5,723,331	03/03/98	Tubo et al.			

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Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AE							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AF	Anderson et al., "Inhibition of Human Cytomegalovirus Immediate-Early Gene Expression by an Antisense Oligonucleotide Complementary to Immediate-Early RNA", <i>Antimicrob Agents Chemother</i> , 40:2004-2011, 1996.
	AG	Anderson et al., "A homologue of the TNF receptor and its ligand enhance T-cell growth and dendritic-cell function", <i>Nature</i> , 390:175-179, 1997.
	AH	Boyan et al., "Differential Expression of Phenotype by Resting Zone and Growth Region Costochondral Chondrocytes <i>In Vitro</i> ", <i>Bones</i> , 9:185-194, 1988.
	AI	Cielinski et al., "Dental Abnormalities in the Osteopetrotic Rat Mutation Microphthalmia Blanc", <i>Arch. Oral Biol.</i> , 39:985-990, 1994.
	AJ	Cielinski, M.J. and Marks, S.C., Jr., "Neonatal Reductions in Osteoclast Number and Function Account for the Transient Nature of Osteopetrosis in the Rat Mutation Microphthalmia Blanc (<i>mib</i>)", <i>Bone</i> 15:707-715, 1994.
	AK	Crooke et al., "Pharmacokinetic Properties of Several Novel Oligonucleotide Analogs in mice", <i>J. Pharmacol. Exp.</i> , 277:923-937, 1996.
	AL	Kong et al., "OPGL is a key regulator of osteoclastogenesis, lymphocyte development and lymph-node organogenesis", <i>Nature</i> , 397:315-323, 1999.
	AM	Kyriakides et al., "Regulation of Angiogenesis and Matrix Remodeling by Localized, Matrix-Mediated Antisense Gene Delivery", <i>Mol. Ther.</i> , 3(6):842-9, 2001.
	AN	Lacey et al., "Osteoprotegerin Ligand Is a Cytokine that Regulates Osteoclast Differentiation and Activation", <i>Cell</i> , 93:165-176, 1998.
	AO	Locksley et al., "The TNF and TNF Receptor Superfamilies: Integrating Mammalian Biology", <i>Cell</i> , 104(4):487-501, 2001.
	AP	Odgren et al., "The <i>Toothless</i> Osteopetrotic Rat Has a Normal Vitamin D-Binding Protein-Macrophage Activating Factor (DBP-MAF) Cascade and Chondrodysplasia Resistant to Treatments With Colony Stimulating Factor-1 (CSF-1) and/or DBP-MAF", <i>Bone</i> , 25:175-181, 1999.
	AQ	Rani et al., "Restoration of Normal Bone Development by Human Homologue of Collagen Type II (COL2A1) Gene in Col2a1 Null Mice", <i>Dev. Dyn.</i> , 214:26-33, 1999.
	AR	Simonet et al., "Osteoprotegerin: A Novel Secreted Protein Involved in the Regulation of Bone Density", <i>Cell</i> , 89:309-319, 1997.

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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U.S. Patent Documents

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	AS	Wong <i>et al.</i> , "TRANCE Is a Novel Ligand of the Tumor Necrosis Factor Receptor Family That Activates c-Jun N-terminal Kinase in T Cells", <i>J. Biol. Chem.</i> , <u>272</u> :25190-25194, 1997.					
	AT	Wong <i>et al.</i> , "TRANCE, a TNF Family Member, Activates Akt.PKB through a Signaling Complex Involving TRAF6 and c-Src", <i>Mol. Cell</i> , 4:1041-1049, 1999.					
	AU	Wraight <i>et al.</i> , "Antisense oligonucleotides in cutaneous therapy", <i>Pharmacology & Therapeutics</i> , <u>90</u> :89-104, 2001.					
	AV	Yasuda <i>et al.</i> , "Osteoclast differentiation factor is a ligand for osteoprotegerin/osteoclastogenesis-inhibitory factor and is identical to TRANCE/RANKL", <i>Proc. Natl. Acad. Sci. USA</i> , <u>95</u> :3597-3602, 1998.					
	AW	GenBankTM Accession No. NM_003701, "PRI date" July 17, 2001					
	AX	GenBankTM Accession No. NM_033012, "PRI date" July 17, 2001					
	AY	GenBankTM Accession No. NM_003839, "PRI date" November 1, 2000					
	AZ	GenBankTM Accession No. XM_006284, "PRI date" October 16, 2001					
	BA	GenBankTM Accession No. AF018253, "PRI date" November 22, 1997					
	BB	GenBankTM Accession No. AF019047, "PRI date" November 22, 1997					
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